AMENDMENTS TO THE CLAIMS

1. – 2. (**Canceled**)

3. (**Currently Amended**) An isolated fructosylamine oxidase enzyme from *Fusarium proliferatum*, which has the following physicochemical characteristics:

(1) It is almost equally or more active on fructosyl valine as compared to fructosyl lysine;

(2) The optimum pH for its enzyme reaction is 7.5;

(3) The optimum temperature for stability of the enzyme is about 30-40°C; and

(4) The molecular weight of the enzyme is about 39 kDa when estimated by SDS-PAGE, and is about 39.4 kDa when estimated by gel filtration, wherein said ~~The~~ fructosylamine oxidase ~~of claim 2 which~~ comprises the amino acid sequence shown in SEQ ID NO: 4.

4. (**Canceled**)

5. (**Original**) An isolated fructosylamine oxidase enzyme from *Fusarium proliferatum*, which has the following physicochemical characteristics:

(1) It is not detectably active on fructosyl lysine but is active on fructosyl valine;

(2) The optimum pH for its enzyme reaction is 7;

(3) The optimum temperature for stability of the enzyme is about 30-40°C; and

(4) The molecular weight of the enzyme is about 49 kDa when estimated by SDS-PAGE, and is about 58 kDa when estimated by gel filtration, wherein said ~~The~~ fructosylamine oxidase ~~of claim 4, which~~ comprises the amino acid sequence shown in SEQ ID NO: 6.

6. – 11. (**Canceled**)